

Halifax, N.S
Canada

MIKE HSIN

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WORK EXPERIENCE

Software Developer, Intern Bloomberg London Summer 2023

- **Research:** Improved integration effectiveness of original tool by 5x through strategic refinement of software requirements based on client feedback.
- **Research & Documentation:** Streamlined development under research constraints, delivered the project one week ahead of schedule; Maintained internal documentation, ensuring 100% project clarity, and aligning with stated goals.
- **Testing Development:** Achieved 98% test coverage and 94%-line coverage in unit and integration testing of APR tool.
- **Quality Assurance:** Led rigorous quality checks under tight deadlines, contributing to 100% adoption of the APR tool among 27 Bloomberg developers.

Software Engineer, Student IFRC November 2022 - April 2023

- **Achievement:** Achieved a 33% improvement in tool response time over competitors.
- **Team leadership:** Led efficient project tracking in a team of 6 while collaborating remotely with another team of 6 and three diverse clients, enhancing cross-team collaboration and securing tool adoption by IFRC.

Virtual Work Placement IBM Summer 2020

- **Innovation Challenge:** Collaborated in IBM's remote work process to develop a cross-platform mobile application for flood-related challenges, achieving top 10% in work efficiency within 10+ teams.
- **Training:** Enhanced remote work process understanding and team agility, demonstrated through active engagement in daily scrum meetings and delivery of detailed weekly progress reports.

Software Developer, Intern Nova Scotia Community College Summer 2019

- **Arduino GPS Tracker:** Engineered an Arduino GPS Tracker project, launching a balloon equipped with the GPS tracker; achieved the project's first retrieval post-release, demonstrating the team's innovation and technical expertise.
- **Robot renovation:** Renovated an R2D2's head with a Raspberry Pi for Elevated interaction; Converting a medical robot's remote controller from UDP/IP in TCL to TCP/IP in Python.

EDUCATION

London, UK University College London December 2023

- M.S in Software Systems Engineering. Awarded
- Coursework: Software Architecture; Software Systems Integration; Validation and Verification; Software Engineering Research Method; Front-end development; Software Engineering.

Halifax, N.S, Canada Dalhousie University September 2022

- B.S in Applied Computer Science. GPA: 3.97
- Coursework: Data Structure and Algorithm; Server-Side Scripting; Software Engineering; Network Computing; Web-Centric Computing; Data Mining and data Warehousing; Human-Computer Interaction.

Halifax, N.S, Canada Nova Scotia Community College June 2020

- Diploma in IT Data Analytics. Grade: 91%
- Coursework: Database; Programing Languages; Software Engineering; Mobile Development; Web Development; Data Privacy; ETL; Linux Scripting; Client-Side Programming; Data Analytics.

COMPETITION EXPERIENCE AND AWARDS

- **Housing Crisis Hackathon:** Dalhousie University Shiftkey Lab, November 2021. Won the Top Prize.
- **IBEC Data Challenge:** University of New Brunswick, November 2019; Final round.
- **Free Code Camp:** Front End Libraries; JavaScript Algorithms & Data Structures; Data Visualization; Responsive Web Design.
- **Oracle Academy:** Certification of Completing Java Foundation. June 2019.

SKILLS AND TECHNOLOGIES

- **Programming Languages & Frameworks:** Python; Java; JavaScript; PHP; OOP; HTML5; CSS3; ReactJS; Gatsby
- **Database:** SQL; MySQL; Oracle Database (SQL Plus; SQL Developer); NoSQL; PL/SQL; Google Firebase
- **Software Development Tools:** Git Version Control (GitLab; GitHub); Docker; CI/CD; Unit Testing; Integration Testing
- **Additional skills & tools:** Tableau; SAP Cloud Analytics; Linux OS; Android development (Java); ERD; API; Google Cloud
- **Project Management:** Agile; Scrum; TDD; Azure DevOps; Jira; Trello